CURRICULUM VITAE DR. PETER SCHÖNSWETTER

Date and place of birth: December 11th, 1973; Vienna

Languages:	German (native), English (fluent), Slovene (fluent, C1), Spanish (intermediate), French (basic), Bosnian/Croatian/Serbian (intermediate passive understanding)
Email:	peter.schoenswetter@uibk.ac.at
Homepage:	http://www.uibk.ac.at/botany/staff/scientific_staff/
Affiliation	Department of Botany, University of Innsbruck. Sternwartestr. 15, A-6020 Innsbruck

UNIVERSITY EDUCATION AND CAREER

7/2010–	**Full Professor** for Systematics and Geobotany at the University of Innsbruck
12/2006	**Habilitation** for Botany/Biogeography at the University of Vienna
12/2003–12/2004	**Postdoc** at the National Center of Biosystematics, University of Oslo, Norway with Prof C. Brochmann. Financed by the Austrian Science Fund project „Recent immigrants or ancient witnesses of recurrent climate change? The fate of rare arctic plants in the Alps revisited“
1/2001–8/2009	**Contract assistant** at the University of Vienna, Faculty Centre Botany, Department of Biogeography and Botanical Garden
03/1999–11/2002	PhD studies in Botany
	PhD thesis: „Comparative phylogeography of high alpine plants in the European Alps“ (Institute of Botany, Prof. H. Niklfeld and Prof. T. F. Stuessy)
	PhD exam with distinction
10/1992–02/1999	Studies of biology/botany at the University of Vienna
	Diploma thesis: „Fine scale distribution, ecology and phytosociology of relic vascular plant taxa in the eastern Niedere Tauern, with special emphasis on the Wölzer Tauern (Austria, Steiermark), (Institute of Botany, Prof. H. Niklfeld)
	Diploma exam with distinction

CURRENT RESEARCH ACTIVITIES

A) Molecular biogeography and systematics

- “**Origin of steppe flora and fauna in inner-Alpine dry valleys**” (funding: Austrian Science Fund, 2014–2017). Applying next generation sequencing (RADseq), this project aims at elucidating the immigration history of four plant and three animal species typical for the inner-Alpine steppe areas. The project is conducted together with Florian Steiner (University of Innsbruck).
- “**Range formation of beech forest understory herbs – a synthetic approach based on comparative phylogeography and distribution modeling**” (funding: Austrian Science Fund, 2017–2020). Based on next generation sequencing (RADseq) and spatiotemporally explicit model simulating range dynamics of plants, this project aims at reconstructing the phylogeographies of six herbs, which are strongly associated with beech, the most abundant deciduous tree of temperate Europe.
- Additionally, together with numerous collaborators from various countries (see below) and supported by funds from various sources I am involved in **phylogeographic and biosystematic studies** in the following groups: *Cymbalaria* spp., *Sorbus* spp., *Euphorbia triflora* group, *Heliosperma pusillum* s. l., *Knautia* spp., *Sesleria* spp. etc.

B) Ecological speciation potentially involving epigenetics

- **“Can rapid adaptation via epigenetic change be a by-product of climatic change?”** (Austrian Climate Research Program, 2013–2017). Applying next generation sequencing (standard RADseq and bisulfit RADseq), this project aims at elucidating the mechanisms of multiple independent ecological speciation in Heliosperma. This is a bilateral project with Ovidiu Paun (University of Vienna).

C) Polyploid evolution

- "**Origin and maintenance of intrapopulational cytotype mixture in an alpine plant species** (*Senecio carniolicus*, Asteraceae" 2008–2012). This project funded by the Austrian Science Fund deals (a) with the evolution of the polyploid complex of the East Alpine-Carpathian endemic *Senecio carniolicus* and (b) with mechanisms allowing the co-existence of different ploidy levels. This was a bilateral project with G. M. Schneeweiss and K. Hülber (University of Vienna). Although the project is officially finished, we are still working on publication of the result and conducting follow-up studies.

(CO-)SUPERVISION OF DIPLOMA AND PHD STUDENTS

University of Vienna

1. Corinna Schmiderer, master thesis, end: 2002 (*de facto* supervision)
2. Ruth Flatscher, master thesis, end: 2010 (co-supervision)
3. Sara Fössinger, master thesis, end: 2010 (supervision)
4. Clemens Pachschwöll, master thesis, end: 2013 (supervision)
5. Christopher Dixon, doctoral thesis, end: 2007 (co-supervision)
6. Carolin Rebernig, doctoral thesis, end: 2010; (co-supervision)
7. Katharina Bardy, doctoral thesis, end: 2010 (*de facto* supervision)
8. Michaela Sonnleitner, doctoral thesis, ongoing (co-supervision)

University of Innsbruck

9. Marianne Magauer, master thesis, end: 2013 (supervision)
10. Ruth Flatscher, doctoral thesis, deceased (supervision)
11. Max Eppstein: master thesis, end: 2015 (co-supervision)
12. Clara Bertel, doctoral thesis, end: 2017 (supervision)
13. Dominik Regele, master thesis, ongoing (supervision)
14. Andrea Peskoller, master thesis, ongoing (supervision)
15. Lisa Silbernagl, master thesis, ongoing (supervision)
16. Anita Bollmann, master thesis, ongoing (supervision)
17. Clemens Maylandt, master thesis, ongoing (supervision)
18. Julia Hartmann, master thesis, ongoing (supervision)

"BOTANICALLY MOTIVATED" EXCURSIONS, MAINLY COLLECTING TRIPS

1996: Southern Moravia ♦ **1997**: Kefallinia (Ionian Islands); Georgia (Caucasus) ♦ **1998**: New Zealand; southwestern Alps ♦ **1999**: Lefkada, Atokos (Ionian Islands); Scandinavia ♦ **2000**: entire Alps (France, Italy, Switzerland, Austria) ♦ **2001**: southwestern Alps and Pyrenees (Spain, France, Italy); Croatia; Chile, Argentina ♦ **2002**: Washington State, USA ♦ **2003**: Andalucía (Spain); entire Alps (France, Italy, Switzerland, Austria), entire Pyrenees (France, Spain), Abruzzo (Italy) ♦ **2004**: Tatra (Slovakia, Poland); Southern Carpathians (Romania); Taymyr Peninsula (Siberia, Russia); Norway ♦ **2005**: Norway, Andalucía (Spain) ♦ **2006**: Bulgaria, Serbia, Slovenia, Croatia, Bosnia & Herzegovina, Macedonia, Greece, France, Spain ♦ **2007**: Andalucía (Spain); Bosnia & Herzegovina, Montenegro, Slovenia, Croatia ♦ **2008**: Argentina/Chile, Italy, Corsica ♦**2009**: Andalucía (Spain); Alps (Austria, Slovenia), Bosnia & Herzegovina, Serbia ♦**2010** Bosnia & Herzegovina, Montenegro, Kosovo, Albania, Italy ♦ **2011** Spain, Andorra, France, Italy, Croatia, Bosnia & Herzegovina, Montenegro, Italy, Slovenia ♦ **2012** Georgia, Armenia, Italy ♦ **2013** South Africa, Bosnia & Herzegovina, Montenegro, Kosovo, Albania, Greece♦ **2014** Western Alps, Kazakhstan, Albania, Montenegro, Bosnia & Herzegovina, Czech Republic. ♦ **2015** Romania, Ukraine, Iran, Western Alps, Provence, Pyrenees♦ **2016** Apennine, Montenegro, Macedonia ♦ **2017** Croatia, Pyrenees, Tadzhikistan.

ORGANISATION OF INTERNATIONAL CONGRESSES AND SYMPOSIA

1. First Joint Botanical Mountain Phylogeography Meeting, Zurich, June 1–3, 2001 (together with Ivana Stehlik, Zurich and Andreas Tribsch, Vienna)
2. Symposium „Evolution and phylogeography of alpine and polar plants: a worldwide perspective“ at the International Botanical Congress 2005 in Vienna
3. Organisation of excursion 27 at the International Botanical Congress 2005 in Vienna Austria: “From Vienna to Mt. Grossglockner – Plant and habitat diversity in the Northeastern and Central Alps”
4. “Evolution of Balkan Biodiversity”, Zagreb, Croatia, June 28–30, 2012 (organized by the BalkBioDiv Consortium [of which I was the head] and the Croatian Botanical Society)
5. “15. Treffen der österreichischen Botanikerinnen und Botaniker”, Innsbruck, Austria, September 27–29, 2012

SELF-ACTIVE ACQUIRED THIRD-PARTY-FUNDS

1. “Recent immigrants or ancient witnesses of recurrent climate change? The fate of rare arctic plants in the Alps revisited“ (FWF J2311-B03), Dr. Peter Schönswetter, 1.12.2003–31.12.2004, Austrian Science Fund; € 40,117.
2. „Phylogeography and reticulate homoploid evolution in *Androsace* sect. Aretia (Primulaceae)“, Dr. Peter Schönswetter, 2007, Commission for Interdisciplinary Ecological Studies (KIÖS), Austrian Academy of Sciences; € 3,300.
3. “Biodiversity in the Alps and Dinaric mountains: molecular analysis of three plant groups” (SI-2007-24; Scientific and Technological Co-operation Austria / Slovenia), Dr. Peter Schönswetter, 1.1.2007–31.12.2008, Austrian Exchange Service, Academic Cooperation and Mobility Unit; € 5,759.
4. “Origin and maintenance of intrapopulational cytotype mixture in an alpine plant species (*Senecio carniolicus*, Asteraceae)” (FWF P20736), Dr. Peter Schönswetter, 1.6.2008–30.6.2012, Austrian Science Fund; € 362,199[1].
5. “Plant biodiversity of the Alps and the Balkans: testing classical taxonomic and biogeographic hypotheses using molecular approaches” (SI-2009-18; Scientific and Technological Co-operation Austria / Slovenia), Dr. Peter Schönswetter, 1.1.2009–31.12.2010, Austrian Exchange Service, Academic Cooperation and Mobility Unit; € 5,925.
6. “BALKBIODIV: Evolution, biodiversity and conservation of indigenous plant species of the Balkan Peninsula”, Dr. Peter Schönswetter, 1.10.2010–30.12.2012, EU, SEE-ERA.NET Plus Joint Call; € 133,378.
7. “Across- and within-ploidy hybridization of rare Czech and Austrian endemics of *Knautia* (Dipsacaceae)". (CZ-13/2013, Scientific and Technological Co-operation Austria / Czech Republic), Dr. Peter Schönswetter, 1.1.2013–31.12.2014, Austrian Exchange Service, Academic Cooperation and Mobility Unit; € 5,545.
8. “The genetic and epigenetic basis of phenotypic differentiation and adaptation in *Heliosperma pusillum* (Caryophyllaceae), a mountain plant with altitudinally widely separate occurrences”, DOC-stipend granted by the Austrian Academy of Sciences to Mag. Ruth Flatscher (supervision: Peter Schönswetter) for 36 months.
9. “Can rapid adaptation via epigenetic change be a by-product of climatic change?” (ACRP5 - EPI-CHANGE - KR12AC5K01286), Dr. Peter Schönswetter, Austrian Climate Research Program, granted 21.12.2012 for 3yrs; € 298,180.
10. “Origin of steppe flora and fauna in inner-Alpine dry valleys” (FWF P25955), Dr. Peter Schönswetter, 1.1.2014–31.12.2017, Austrian Science Fund; € 345,773.
11. “Evolution of alpine ecotypes in the plant model *Arabidopsis arenosa”*. (CZ-15/2016, Scientific and Technological Co-operation Austria / Czech Republic), Dr. Peter Schönswetter, 1.1.2016–31.12.2017, Austrian Exchange Service, Academic Cooperation and Mobility Unit; ca. 6000 €.
12. “Plant diversification on the Balkan Peninsula: phylogenetic and phylogeographic analyses of *Ranunculus* sect. *Leucoranunculus* sensu Florae Europaeae (Ranunculaceae) and the *Sesleria coerulans* species complex (Poaceae)”. (SRB07/2016, Scientific and Technological Co-operation Austria / Serbia), Dr. Peter

[1] After my move to Innsbruck, this project was transferred to Gerald M. Schneeweiss (University of Vienna), and only he is listed as project leader in the FWF data base.

Schönswetter, 1.1.2016–31.12.2017, Austrian Exchange Service, Academic Cooperation and Mobility Unit; € 6,200.

13. "Range formation of beech forest understory herbs – a synthetic approach based on comparative phylogeography and distribution modeling" (FWF P29413), Dr. Peter Schönswetter, 1.3.2017–28.2.2020, Austrian Science Fund; € 349,839.

INVOLVEMENT IN THIRD-PARTY-PROJECTS > 100.000 €[2]

1. „Intraspecific phylogeography of Alpine plants" (FWF P13874-Bio), Dr. H. Niklfeld, 1.12.1999–31.5.2003, Austrian Science Fund; € 194 582.97.
2. "Phylogeny and phylogeography of *Androsace* sect. Aretia (Primulaceae)" (FWF P16104-B03), Dr. H. Niklfeld, 1.1.2003–31.12.2006; Austrian Science Fund; € 234 331.61.
3. "Evobalk", Dr. B. Surina, official collaborator, 1.1.2006–31.12.2007, EU: Marie Curie Intra-European Fellowship, € EUR 156 753.00.

TEACHING AT THE UNIVERSITY OF INNSBRUCK

I am **head of the curriculum commission** of the Faculty of Biology of the University of Innsbruck.

a) Bachelor Studies Biology

„Diversität und Systematik der Pflanzen", Vorlesung, 1 hour per week per semester (h)

„Diversität und Systematik der Pflanzen-Übung", 2 h

„Botanische Exkursion mit Übung", 1 h

b) Master Studies Botany

„Botanisches Seminar: Wissenschaftliches Schreiben und Präsentieren", Seminar, 1h

„Botanisches Kolloquium", Proseminar, 1h

„Diversität ausgewählter Samenpflanzen I", Vorlesung mit Übung, 2h

„Flora und Vegetation der Ostalpen und angrenzender Gebiete", Exkursion mit Übung, 3h

„Evolution der Pflanzen", Vorlesung, 1h

„Methoden der Evolutionsforschung, Pflanzensystematik und Biogeographie", Vorlesung mit Übung, 3h

„Biogeographie", Vorlesung mit Übung, 2h

„Exkursion mit Übung", 3 h

c) PhD Studies Biology

„Forschungstraining", Seminar, 1h

REVIEWER FOR THE FOLLOWING JOURNALS

Alpine Botany ♦ Annals of Botany ♦ Biological Journal of the Linnean Society ♦ Botanical Journal of the Linnean Society ♦ Botanica Helvetica ♦ Conservation Biology ♦ Diversity and Distributions ♦ Ecography ♦ Flora ♦ Folia Geobotanica ♦ Journal of Biogeography ♦ Molecular Ecology ♦ Nature Communications ♦ New Phytologist ♦ Nordic Journal of Botany ♦ Organisms, Diversity and Evolution ♦ Perspectives in Plant Ecology, Evolution and Systematics ♦ Phytotaxa ♦ Phytologia Balcanica ♦ Plant Ecology and Diversity ♦ Plant Systematics and Evolution ♦ Preslia ♦ Systematic Biology ♦Taxon

REVIEWER FOR THE FOLLOWING GRANT AGENCIES

Agencia Nacional de Evaluación y Prospectiva (ANEP, Spain) ♦ Austrian Exchange Service (ÖÄD) ♦ Grant Agency of the Academy of Sciences of the Czech Republic♦ Swiss National Science Foundation

[2] In all three projects I had a significant role in writing the application as well as conducting, supervising and administrating the research.

AWARDS

"Emerging Field", awarded by the Dean of the Faculty of Life Sciences, University of Vienna (€ 15 000)

"Recent immigrants or ancient witnesses of recurrent climate change? The fate of rare arctic plants in the Alps revisited", J2311-B03 (Austrian Science Fund; € 40 117.00)

EDITORIAL FUNCTIONS

2016- Perspectives in Plant Ecology, Evolution and Systematics: Subject editor
2017- Alpine Botany: Editorial Board
2017- Biosystematics and Ecology Series: Editor

FUNCTIONS IN SOCIETIES AND PERMANENTLY INSTALLED ADVISORY BOARDS

Corresponding Member of the Austrian Academy of Sciences (ÖAW), elected 3/2014

Member of the Advisory Board for the Protection of Nature of the Federal Government of the Tyrol

COLLABORATIONS (OUTSIDE OF THE UNIVERSITY OF INNSBRUCK)

Ovidiu Paun, Gerald M. Schneeweiss, Karl Hülber, Michaela Sonnleitner, Manuela Winkler, Emiliano Trucchi, Hanna Weiss-Schneeweiss, Friedrich Ehrendorfer, Luise Schratt-Ehrendorfer, Harald Niklfeld, University of Vienna: various systematic, evolutionary and/or biogeographic projects. ♦ **Dmitar Lakušić, Nevena Kuzmanović**, Institute of Botany and Botanical Garden, University of Belgrade: various systematic, evolutionary and/or biogeographic projects ♦ **Michał Ronikier**, Institute of Botany, Polish Academy of Sciences, Krakow, Poland: Phylogeography of *Androsace obtusifolia* ♦ **Isabel Sanmartín Bastida**, Real Jardín Botánico, Madrid, Spain: Evolution of the Alpine steppe flora ♦ **Nadir Alvarez**, University of Lausanne: Evolution of the Alpine steppe flora ♦ **Jan Suda**, **Filip Kolář**, **Martin Čertner**, Charles University Prague & Academy of Sciences of the Czech Republic, Pruhonice, Czech Republic: evolution and hybridization in *Arabidopsis arenosa*, *Knautia* and *Senecio* ♦ **Pau Carnicero Campmany,** Universitat Autónoma de Barcelona: phylogenetics and biogeography in Mediterranean *Cymbalaria*

AUTHORSHIP OF PLANT TAXA

Alyssum neglectum Magauer, Frajm. & Schönsw. in Bot. J. Linnean Soc 176: 500 (2014)
Androsace halleri subp. *nuria* Schönsw. & Schneew. in Phytotaxa 201(3): 230 (2015)
Androsace komovensis Schönsw. & Schneew. in Taxon 58(2): 547 (2009)
Equisetum arvense subsp. *alpestre* (Wahlenb.) Schönsw. & Elven in J. Bot. Res. Inst. Texas 2: 433 (2008)
Senecio disjunctus R. Flatscher, Schneew. and Schönsw. in Phytotaxa 213: 9 (2015)
Senecio noricus R. Flatscher, Schneew. and Schönsw. in Phytotaxa 213: 9 (2015)
Senecio insubricus (Chenevard) R. Flatscher, Schneew. and Schönsw. in Phytotaxa 213: 8 (2015)
Sorbus bosniaca Hajrudinović, Frajman, Schönswetter, Bogunić in Bot. J. Linnean Soc 178: 682 (2015)

HOBBIES

Mountaineering, ski touring/randonée, climbing, running, languages, travelling, literature (German, English, Spanish, Slovene)

Complete List of Publications Dr. Peter Schönswetter

A1) Peer-Reviewed Journal Articles

1. Schönswetter, P., Tribsch, A., Barfuss, M., & Niklfeld, H. (2002). Several Pleistocene refugia detected in the high alpine plant *Phyteuma globulariifolium* in the European Alps. Molecular Ecology, 11, 2637–2647.
2. Tribsch, A., Schönswetter, P., & Stuessy, T.F. (2002). *Saponaria pumila* (Caryophyllaceae) and the ice-age in the Eastern Alps. American Journal of Botany, 89, 2024–2033.
3. Schönswetter, P., Paun, O., Tribsch, A., & Niklfeld, H. (2003). Out of the Alps: Colonisation of the Arctic by East Alpine populations of *Ranunculus glacialis* (Ranunculaceae) Molecular Ecology, 12, 3371–3381.
4. Schönswetter, P., Tribsch, A., & Niklfeld, H. (2003). Phylogeography of the high alpine cushion-plant *Androsace alpina* (Primulaceae) in the European Alps. Plant Biology, 5, 623–630.
5. Schönswetter, P., Tribsch, A., Schneeweiss, G.M., & Niklfeld, H. (2003). Disjunctions in relict alpine plants: phylogeography of *Androsace brevis* and *A. wulfeniana* (Primulaceae). Botanical Journal of the Linnean Society, 141, 437–446.
6. Tribsch, A., & Schönswetter P. (2003). Patterns of endemism and comparative phylogeography confirm palaeo-environmental evidence for Pleistocene refugia in the Eastern Alps. Taxon, 52, 477–497.
7. Schneeweiss, G.M., Schönswetter, P., Kelso, S., & Niklfeld, H. (2004). Complex biogeographic patterns in *Androsace* (Primulaceae) and related genera: evidence from phylogenetic analyses of nuclear ITS and plastid *trnL-F* sequences. Systematic Biology, 53, 856–876.
8. Schönswetter, P., Tribsch, A., & Niklfeld, H. (2004). Amplified Fragment Length Polymorphism (AFLP) reveals no genetic divergence of the Eastern Alpine endemic *Oxytropis campestris* subsp. *tiroliensis* (Fabaceae) from widespread subsp. *campestris*. Plant Systematics and Evolution, 244, 245–255.
9. Schönswetter, P., Tribsch, A., & Niklfeld, H. (2004). Amplified Fragment Length Polymorphism (AFLP) suggests old *and* recent immigration into the Alps by the arctic-alpine annual *Comastoma tenellum* (Gentianaceae). Journal of Biogeography, 31, 1673–1681.
10. Schönswetter, P., Tribsch, A., Stehlik, I., & Niklfeld, H. (2004). Glacial history of high alpine *Ranunculus glacialis* (Ranunculaceae) in the European Alps in a comparative phylogeographical context. Biological Journal of the Linnean Society, 81, 183–195.
11. Schönswetter, P., Stehlik, I., Holderegger, R., & Tribsch, A. (2005). Molecular evidence for glacial refugia of mountain plants in the European Alps. Molecular Ecology, 14, 3547–3555.
12. Schönswetter, P., & Tribsch, A. (2005). Vicariance and dispersal in the alpine perennial, *Bupleurum stellatum* L. (Apiaceae). Taxon, 54, 725–732.
13. Albach, D.C., Schönswetter, P., & Tribsch, A. (2006). Comparative phylogeography of closely related species of the *Veronica alpina* complex in Europe and North America. Molecular Ecology, 15, 3269–3286.
14. Raffl, C., Schönswetter, P., & Erschbamer, B. (2006). "Sax-sess" – Genetics of primary succession in a pioneer species on two parallel glacier forelands. Molecular Ecology, 15, 2433–2440. [Times Cited: 9; Impact Factor of the Journal: 5.169]
15. Rubio de Casas, R., Besnard, G., Schönswetter, P., Balaguer, L., & Vargas, P. (2006). Extensive gene flow blurs phylogeographic but not phylogenetic signal in *Olea europaea* L. Theoretical and Applied Genetics, 113, 575–583.
16. Schönswetter, P., Popp, M. & Brochmann, C. (2006). Central Asian origin of and strong genetic differentiation among populations of the rare and disjunct *Carex atrofusca* (Cyperaceae) in the Alps. Journal of Biogeography, 33, 948–956.
17. Schönswetter, P., Popp, M., & Brochmann, C. (2006). Rare arctic-alpine plants of the European Alps have different immigration histories: the snowbed species *Minuartia biflora* and *Ranunculus pygmaeus*. Molecular Ecology, 15, 709–720.
18. Dixon, C.J., Schönswetter, P., & Schneeweiss, G.M. (2007). Traces of ancient range shifts in a mountain plant group (*Androsace halleri* complex, Primulaceae). Molecular Ecology, 16, 3890–3901.

19. Ehrich, D., Gaudeul, M., Assefa, A., Koch, M. A., Mummenhof, K., Nemomissa, S., Intrabiodiv-Consortium[3], & Brochmann, C. (2007) Genetic consequences of Pleistocene range shifts: Contrast between the Arctic, the Alps and the East African mountains. Molecular Ecology, 16, 2542–2559.

20. Manel, S., Berthoud, F., Bellemain, E., Gaudeul, M., Luikart, G., Swenson, J. E., Waits, L. P., Taberlet, P., & Intrabiodiv-Consortium (2007) A new individual-based spatial approach for identifying genetic discontinuities in natural populations. Molecular Ecology, 16, 2031–2043.

21. Schönswetter, P., Suda, J., Popp, M., Weiss-Schneeweiss, H., & Brochmann, C. (2007). Circumpolar phylogeography of *Juncus biglumis* (Juncaceae) inferred from AFLP fingerprints, cpDNA sequences, nuclear DNA content and chromosome numbers. Molecular Phylogenetics and Evolution, 42, 92–103.

22. Schönswetter, P., Lachmayer, M., Lettner, C., Prehsler, D., Rechnitzer, S., Reich, D.S., Sonnleitner, M., Wagner, I., Hülber, K., Schneeweiss, G.M., Trávníček, P., & Suda, J. (2007). Sympatric diploid and hexaploid cytotypes of Eastern Alpine *Senecio carniolicus* (Asteraceae) are separated along an altitudinal gradient. Journal of Plant Research, 120, 721–725.

23. Suda, J., Weiss-Schneeweiss, H., Tribsch, A., Schneeweiss, G., Trávníček, P. & Schönswetter, P. (2007). Complex distribution patterns of di-, tetra- and hexaploid cytotypes in the European high mountain plant *Senecio carniolicus* Willd. (Asteraceae). American Journal of Botany, 94, 1391–1401.

24. Dixon, C.J., Schönswetter, P., & Schneeweiss, G.M. (2008). Morphological and geographical evidence are misleading with respect to the phylogenetic position and origin of the narrow endemic polyploid *Androsace cantabrica* (Primulaceae). Systematic Botany, 33, 384–389.

25. Schönswetter, P., Elven, R., & Brochmann, C. (2008). Trans-Atlantic dispersal and large-scale lack of genetic structure in the circumpolar, arctic-alpine sedge *Carex bigelowii* s. lat. (Cyperaceae). American Journal of Botany, 95, 1006–1014.

26. Terrab, A., Schönswetter, P., Talavera, S., Vela E., & Stuessy, T.F. (2008). Rangewide phylogeography of *Juniperus thurifera* L., a presumptive keystone species of late glacial/early postglacial Western Mediterranean vegetation. Molecular Phylogenetics and Evolution, 48, 94–102.

27. Frajman, B., & Schönswetter, P. (2008). Notes on some rare *Orobanche* and *Phelipanche* species (Orobanchaceae) in Croatia. Acta Botanica Croatica, 67, 103–107.

28. Paun, O., Schönswetter, P., Winkler, M., Tribsch, A., & IntraBioDiv Consortium. (2008) Evolutionary history of the *Ranunculus alpestris* group (Ranunculaceae) in the European Alps and the Carpathians. Molecular Ecology, 17, 4263–4275.

29. Escobar García, P., Schönswetter, P., Fuertes Aguilar, J., Nieto Feliner, G., & Schneeweiss, G.M. (2009) Five molecular markers reveal extensive morphological homoplasy and reticulate evolution in the *Malva* alliance (Malvaceae). Molecular Phylogenetics and Evolution, 50, 226–239.

30. Schönswetter, P., & Schneeweiss, G.M. (2009) A*ndrosace komovensis* sp. nov., a long mistaken local endemic from the southern Balkan Peninsula with biogeographic links to the Eastern Alps. Taxon, 58, 544–549.

31. Dixon, C.J., Schönswetter, P., Suda, J., Wiedermann, M., & Schneeweiss, G.M. (2009) Reciprocal Pleistocene origin and postglacial range formation of an allopolyploid and its sympatric ancestors (*Androsace adfinis* group, Primulaceae). Molecular Phylogenetics and Evolution, 50, 74–83.

32. Csergő, A.-M., Schönswetter, P., Mara, G., Deák, T., Boşcaiu, N., & Höhn, M. (2009) Genetic structure of peripheral, island-like populations: a case study from *Saponaria bellidifolia* Sm. (Caryophyllaceae) in the Romanian Carpathians. Plant Systematics and Evolution, 278, 33–41.

33. Álvarez, N., Thiel-Egenter, C., Tribsch, A., Holderegger, R., Manel, S., Schönswetter, P., Taberlet, P., Brodbeck, S., Gaudeul, M., Gielly, L., Küpfer, P., Mansion G., Negrini R., Paun, O., Pellecchia, M., Rioux, D., Schüpfer, F., van Loo, M., Winkler, M., Gugerli, F. & IntraBioDiv Consortium. 2009. History or ecology? Substrate type as a major driver of spatial genetic structure in Alpine plants. Ecology Letters, 12, 632–640.

34. Dixon, C., Schönswetter, P., Vargas, P., Ertl, S., & Schneeweiss, G. 2009. Bayesian hypothesis testing supports long-distance Pleistocene migrations in a European high mountain plant (*Androsace vitaliana*, Primulaceae). Molecular Phylogenetics and Evolution, 53, 580–591.

35. Thiel-Egenter, C., Gugerli, Alvarez, N., Brodbeck, S., Cieślak, S., Colli, L., Englisch, T., Gaudeul, M., Gielly, L., Korbecka, G., Negrini, R., Paun, O., Pellecchia, M., Rioux, D., Ronikier, M., Schönswetter, P., Schüpfer, F., Taberlet, P., Tribsch, A., van Loo, M., Winkler, M., Holderegger, R., & IntraBioDiv Consortium. 2009.

[3] I was member of the Intrabiodiv-Consortium

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123. Schönswetter, P, Schratt-Ehrendorfer, L., Frajman, B., & Niklfeld, H. (2010). Seltene Spezialisten alpiner Kalkschieferschtandorte in Gefahr: Flora und Vegetation des Piz Val Gronda (Samnaun-Gruppe, Tirol). Alpine Raumordnung, 35, 6–51.

124. Schönswetter, P, Schneeweiss, G.M., Gutermann, W. et al. (2011) Floristische Neufunde aus den Ostalpen. Neilreichia, 6, 81–98.

125. Berger, A. & Schönswetter, P. (2013) Ein weiteres Vorkommen von *Botrychium simplex* E. Hitchc., der Einfachen Mondraute, in der Steiermark. Joannea Botanik, 10, 5–9.

126. Schönswetter, P, Gribl, N. & Frajman, B. (2015) *Orobanche lycoctoni* – (fast) neu für Österreich. Neilreichia 7, 9–14.

B) Contributions in Editions/Collections

127. Schneeweiss, G.M., Schönswetter, P., Tremetsberger, K., & Schratt-Ehrendorfer, L. (2002). Vegetation. – In: Wiesbauer, H. (ed.): Naturkundliche Bedeutung und Schutz ausgewählter Sandlebensräume in Niederösterreich. Bericht zum LIFE-Projekt „Pannonische Sanddünen". – St. Pölten: Amt der NÖ Landesregierung: 15–58.

128. Schmitt, T., Muster, C. & Schönswetter, P. (2010): Disjunct Alpine and Arctic-Alpine Animal and Plant Species in the Western Palaearctic are Relics of Different Time Horizons. In: Habel, J. C. & Assmann, T.: Survival on Changing Climate – Relict Species – Phylogeography and Conservation. Springer, Heidelberg: 239–252.

129. Paun, O. & Schönswetter, P. (2012). Amplified Fragment Length Polymorphism: An Invaluable Fingerprinting Technique for Genomic, Transcriptomic, and Epigenetic Studies. In: Sucher, N. J. et al. (eds.): Plant DNA Fingerprinting and Barcoding: Methods and Protocols, Methods in Molecular Biology, vol. 862. Springer, Heidelberg: 75–87.

C) Public Outreach

1. Radio interview for the Austrian radio station Ö1 ("Vom Leben der Natur: Paradox und Zufall"). Broadcasted January 12–16, 2009
2. „Evolution erforschen: Anpassungsfähige Gebirgspflanzen": Interview for „dieuniversität online" (online newspaper of the University of Vienna), article available at http://www.dieuniversitaet-online.at/beitraege/news/evolution-erforschen-anpassungsfaehige-gebirgspflanzen/10.html
3. "Vielfältiges Innenleben": Interview for the newspaper "Kurier", published 18.10.2010
4. Various edited protocols of excursions (https://www.uibk.ac.at/botany/studies/praktika_exkursionen.html.de)
5. Several information tables in the Botanical Garden of the University of Innsbruck
6. „Vielfalt als Überlebensstrategie": Article in „Forschungsmagazin der Universität Innsbruck", article available at http://www.uibk.ac.at/forschung/magazin/5/artikel/botanik.pdf
7. „Alpine Geschichten des Einwanderns": Article in „Forschungsmagazin der Universität Innsbruck", article available at https://www.uibk.ac.at/forschung/magazin/12/alpine-geschichten-des-einwanderns.pdf

D1) Lectures/Presentations at International Scientific Conferences (as presenting author only)

Invited talks

1. Schönswetter, P., Popp, M. & Brochmann C. (2005) Immigration patterns of rare arctic-alpine plants into the Alps. Talk at the "17th International Botanical Congress", Vienna, Austria, 17.-23.7.2005.
2. Dixon, C.J., Schönswetter, P. & Schneeweiss, G.M. (2007) Evolution and phylogeography of *Androsace* sect. Aretia (Primulaceae). Talk (by P.S.) at the "Botanical Society of Scotland Symposium: History, Evolution and Future of Arctic and Alpine Flora". St. Andrews, Scotland, UK. 25.-27.6.2007.
3. Schönswetter, P. (2007) Tracing range shifts in the southern European mountain ranges: examples from arctic-alpine plants and from *Androsace* sect. Aretia (Primulaceae). Keynote lecture at the conference "Phylogeography and Conservation of Postglacial Relicts", National Museum of Natural History, Luxembourg, 18.-19.10.2007.
4. Schönswetter, P., Sonnleitner, M., Escobar García, P., Flatscher, R., Hülber, K., Schneeweiss, G.M., Rauchová, J., Suda, J. & Winkler, M. (2011) Polyploid speciation in *Senecio carniolicus* Willd. (Asteraceae) –

Genetic, morphological and ecological differentiation among and within cytotypes. Invited lecture at the conference "BioSystematics Berlin 2011", Berlin, Germany. 21.–27.2.2011.

5. Schönswetter, P., Alegro, A. & Frajman, B. (2012) Spatiotemporal diversification of the Balkan flora: What do we know? Keynote lecture at the symposium "Evolution of Balkan Biodiversity", Zagreb, Croatia, June 28–30, 2012.
6. Záveská, E., Kirschner, P., Steiner, F. & Schönswetter, P. (2017) Mehr als ein Wurmfortsatz – Populationen der inneralpinen Steppenarten sind eigenständiger (und naturschutzrelevanter!) als gedacht. Fachsymposium „Schutz bedrohter Pflanzenarten in Mitteleuropa: Genetische Grundlagen und Naturschutzpraxis. Botanischer Garten und Botanisches Museum Berlin, Berlin, 23.–25.2.2017.

Talks/posters

1. Schönswetter, P., Tribsch, A. & Niklfeld, H. (2000) Genetic Structure and Population History of Alpine Plants. First Insights from *Carex curvula* and *Androsace alpina* inferred from AFLP-Fingerprinting. Talk at the conference "The Biochemistry, Physiology, Ecology and Population Ecology of Alpine Plants", Lautaret, France, 31.8.-2.9.2000.
2. Schönswetter, P. & Tribsch, A. (2001) Alpine plants and the ice-age: Phylogeographic analyses of the cushion-plants *Androsace alpina* (Primulaceae) and *Saponaria pumila* (Caryophyllaceae) in the European Alps revealed by AFLP-fingerprinting. Talk at the conference "Evolution and Plasticity in Plant Populations" (14th meeting of the working group "Population Biology of Plants [GfÖ, Gesellschaft für Ökologie]), Vienna, Austria, 23.-27.6.2001.
3. Schönswetter, P. & Tribsch, A. (2001) Phylogeography of the high alpine cushion plant *Androsace alpina* (Primulaceae) in the Alps. Talk at the conference "First Joint Botanical Mountain Phylogeography Meeting", Zurich, Switzerland, 1.-3.6. 2001.
4. Schönswetter, P. & Tribsch, A. (2002) Comparative Phylogeography of vascular plants in the European Alps: congruences and contrasts. Talk at the conference "Phylogeography in Southern European Refugia", Vairao, Portugal, 11.-15.3.2002.
5. Schönswetter, P., Tribsch, A., Niklfeld, H. & Stuessy, T. (2002) Localization of glacial refugia for vascular plants in the European Alps: A comparative approach using AFLP-data. Talk at the conference "Botany 2002", Madison, Wisconsin, USA, 2.-7.8.2002.
6. Schönswetter, P. & Tribsch, A. (2003) Migration patterns of Arctic-Alpine plants. Talk at the conference "4th conference on Biochemistry, Ecophysiology and Population Biology of Alpine and Polar plants", Trins, Austria, 9.7.-11.7.2003.
7. Schönswetter, P. & Tribsch, A. (2003) Searching for glacial refugia in the Eastern Alps: evidence from comparative phylogeography and patterns of endemism. Poster presentation at the conference "Frontiers in Biogeography", Mesquite, NV, USA, 4.-8.1.2003.
8. Schönswetter, P. & Tribsch, A. (2004) Recent immigrants or ancient witnesses of recurrent climate change? The fate of rare arctic plants in the Alps revisited. Talk at the conference "Population dynamics in a changing landscape – persistence, dispersal or adaptation" (17th Annual Meeting of the Ecological Society of Germany, Switzerland and Austria – Section Plant Population Biology), Regensburg, Germany, 19.-23.5.2004.
9. Schönswetter, P., Popp, M. & Brochmann C. (2005) Immigration patterns of rare arctic-alpine plants into the Alps. Poster presentation at the "8th Annual Meeting of the German Society for Biological Systematics", Basel, Switzerland, 13.-16.9.2005.
10. Schönswetter, P. (2006) A first attempt towards a comparative phylogeography of the southern European mountain ranges. Talk at the 4th Balkan Botanical Conference: „Plant, fungal and habitats diversity: Investigation and conservation", Sofia, Bulgaria, 20.-26.6.2006.
11. Schönswetter, P. (2008) Polyploid evolution and ecological differentiation in *Senecio carniolicus* (Asteraceae). Talk at the Xth Symposium of the International Organisation of Plant Biosystematists "Evolution of Plants in Mountainous and Alpine Habitats", Strbske Pleso, Vysoké Tatry, Slovakia, 2.–4.07.2008.
12. Schönswetter, P. (2008) "Geneto-floristics": solving floristic-systematic problems with molecular tools. Talk at the Symposium "Flora in vegetacija Slovenije", Ljubljana, Slovenia, 17.–18.10.2008.
13. Schönswetter, P., Sonnleitner, M., Escobar García, P., & Hülber, K. (2009) Polyploid evolution and ecological segregation of cytotypes in the Alpine plant Senecio carniolicus (Asteraceae). Poster-presentation at the „International Conference on Polyploidy, Hybridization and Biodiversity" (http://www.icphb2009.univ-rennes1.fr/index.php), Saint Malo, France, 17.–20.5.2009.

14. Schönswetter, P. (2009) Solving floristic-systematic and biogeographic problems on the Balkan Peninsula with molecular tools. Talk at the 5th Balkan Botanical Congress, Beograd, Serbia, 7.–11.9.2009.
15. Schönswetter, P. & Roniker, M. (2010) The Etsch/Adige valley, a major genetic break zone recurrently identified in high mountain plants. 6. Tagung: Zoologische und botanische Forschung in Südtirol. Naturmuseum Südtirol, Bozen/Bolzano, Italy, 2.9.2010–3.9.2010.
16. Schönswetter, P., Winkler, M., Escobar García, P., Sonnleitner, M., Flatscher, R., Hülber, K., Schneeweiss, G.M. (2012) Origin, evolution and dynamics of the polyploid complex of *Senecio carniolicus* (Asteraceae). Talk at the "International Conference on Polyploidy, Hybridization, and Biodiversity" in Pruhonice near Prague, Czech Republic, 7.–10.5.2012.
17. Schönswetter, P. & Frajman, B. (2013) Carpathian phylogeography in a Eurasian context. Talk at "Biogeography of the Carpathians: Evolution of Biodiversity in a Spatiotemporal Context" in Kraków, Poland, 26.–28.9.2013.
18. Schönswetter, P. & Frajman, B. (2015) Spatiotemporal diversification of Balkan biota. Poster presentation at the 7th Biennial conference of the International Biogeographic Society in Bayreuth, Germany, 8.–12.1.2015.
19. Caković, D., Stešević, D., Schönswetter, P. & Frajman, B. (2015) How many taxa? Spatiotemporal evolution and taxonomy of *Amphoricarpos* (Asteraceae, Carduoideae) on the Balkan Peninsula. Talk at the 6th Balkan Botanical Conference, Rijeka, Croatia, 14.–18.9.2015.
20. Schönswetter, P., Hülber, K., Winkler, M., Escobar García, P., Sonnleitner, M., Peskoller, A., Schneeweiss, G.M. (2016) Evolutionary patterns, contact zones and ecological segregation in an alpine autopolyploid complex. Talk at the "International Conference on Polyploidy, Hybridization and Biodiversity", Rovinj, Croatia, 11.–14.5.2016.

D2) Lectures/Presentations at National Scientific Conferences (as presenting author only)

1. Schönswetter, P. & Schneeweiss, G.M. (2000) Verbreitung und Ökologie reliktärer Gefäßpflanzen der östlichen Niederen Tauern (Steiermark). Talk at the conference "9. Österreichisches Botanikertreffen", Illmitz, Austria, 28.9.-1.10.2000.
2. Schönswetter, P. (2002) Neues zur Eiszeitgeschichte unserer Alpenflora anhand einiger molekularbiologisch untersuchter Beispiele. Talk at the conference "10. Österreichisches Botanikertreffen", Gumpenstein, Austria, 30.5.-1.6.2002.
3. Schönswetter, P. (2006) Die Alpen, Startpunkt und Ziel von Pflanzenwanderungen. Talk at the conference "12. Österreichisches Botanikertreffen", Kremsmünster, Austria, 21.-24.9.2006.
4. Schönswetter, P. (2008) *Senecio carniolicus*: Evolution, Zytogeographie, Hybridzonen. Talk at the conference "13. Österreichisches Botanikertreffen", Salzburg, Austria, 11.9.2008–13.9.2008.
5. Schönswetter, P. (2010) Evolutionary patterns in the polyploid complex of *Senecio carniolicus* (Asteraceae). Talk at the conference "14. Österreichisches Botanikertreffen", Dornbirn, Austria, 23.9.2010–25.9.2010.
6. Schönswetter, P. (2014) Österreichische (Sub-)Endemiten – Mythen versus Daten. 16. Treffen der Österreichischen Botanikerinnen und Botaniker, Graz, Austria, 25.9.2014–27.9.2014.
7. Bertel, C., Trucchi, E., Paun, O., Frajman, B., Hülber, K. & Schönswetter, P. (2015) Können epigenetische Änderungen eine rasche Anpassung an den Klimawandel ermöglichen? 16. Österreichischer Klimatag 2015, Wien, Austria, 28.4.–30.4.2015.
8. Schönswetter, P., Záveská, E., Kirschner, P. & Steiner F. (2016) Herkunft von Flora und Fauna inneralpiner Trockengebiete, 17. Treffen der Österreichischen Botanikerinnen und Botaniker, Vienna, Austria, 22.9.2016–24.9.2016.

E1) Invited, international Lectures/Presentations (other than Scientific Conferences)

1. "Immigration patterns of rare arctic-alpine plants into the Alps". Invited talk at the Department of Botany, Charles University Prague, Czech Republic, 1.3.2005 (Host: Dr. Jan Suda).
2. "Immigration patterns of rare arctic-alpine plants into the Alps". Invited talk at the Institute for Systematic Botany, University of Zurich, Switzerland, 17.1.2005 (Host: Prof. Dr. Elena Conti).
3. "Molecular markers and their application in biogeography". Invited talk at the meeting "Biološka znanost in družba: Ekosistemi", Ljubljana, Slovenia, 2.–3.10.2008.

4. “Evolutionary patterns in the Alpine polyploid complex *Jacobaea carniolica* (*Senecio c*., Astercaeae). Invited talk at the Centre for Biological Diversity and Ecology of the University of Göttingen. Göttingen, Germany, 28.5.2013. (Host Dr. Elvira Hörandl).
5. “A short history of nearly everything: evolutionary patterns in the Alpine polyploid complex *Jacobaea carniolica* (*Senecio c.*, Asteraceae)”. Invited talk at the Department of Botany, Charles University Prague, Czech Republic, 29.10.2013. (Host: Dr. Tomaš Herben).
6. “More and more species around in the Alps? Some insights from (mostly) polyploid species groups”. Invited talk at the Institute of Systematic Botany, University of Zurich, 16.12.2013. (Host: Dr. Reto Nyffeler).
7. “Flora and Fauna of inner-Alpine dry valleys”. Invited talk (together with E. Záveská) at the Czech University of Life Sciences Prague, 22.11.2016. (Host: Dr Bohumil Mandák).
8. Schönswetter, P. (2017) More than an appendix – populations of inner-Alpine steppe species are more divergent (and conservation relevant!) than anticipated. Kolloquium für Angewandte Ökologie und Planung, TU München, 11.12.2017. (Host: Dr. Christian Bräuchler).

E2) Invited, national Lectures/Presentations (other than Scientific Conferences)

1. “Pflanzen der Ostalpen”, 8. Jahrestreffen der Stauden- und Alpinengärtner/innen, Vienna, Austria, 14.6.2002 (Host Prof. Dr. Tod. Stuessy).
2. “Molekularbiologische Untersuchungen zur Eiszeitgeschichte der Alpenflora”, Biologiezentrum Linz, Linz, Austria, 2.5.2002 (Host Prof. Dr. Franz Speta).
3. Several presentations in course of the Department Seminar series of the Department of Biogeography, University of Vienna, Vienna (Host Prof. Dr. Tod Stuessy).
4. Several presentations in course of the Department Seminar series of the Department of Systematic and Evolutionary Botany, University of Vienna, Vienna (Host Prof. Dr. Harald Niklfeld).
5. „Besteht *Senecio* (*incanus* subsp.) *carniolicus* aus mehreren Arten mit unterschiedlichen Standortsansprüchen?“, Department of Organismic Biology, University of Salzburg, 23.1.2009 (seminary for PhD students, host: Prof. Dr. Peter Comes)
6. „Der Polyploid-Komplex von *Senecio carniolicus* (Asteraceae): evolutionäre Entfaltung, Standortsökologie und Mechanismen zur Koexistenz von Zytotypen“. Institute of Botany, University of Graz, 23.3.2010 (host: Prof. Dr. Helmut Mayrhofer)
7. “Über- und unterschätzte Biodiversität von Alpenpflanzen”. Österreichischer Biodiversitätstag, Natural History Museum Vienna, Vienna, Austria, 21.10.2010.
8. „Endemismus bei Alpenpflanzen: Gattungen, Arten und intraspezifische Linien“. ÖEG Fachgespräch im Naturmuseum Südtirol (Meeting of the Austrian Entomological Society). Bozen/Bolzano, Italy, 22.10.2011.
9. „Über- und unterschätzte Biodiversität von Alpenpflanzen”. Herbsttagung der Fachgruppe Botanik des Naturwissenschaftlichen Vereins für Kärnten. Klagenfurt, 12.11.2011.
10. „Aus dem Norden oder in den Norden? Neues (und Altes) zu Pflanzenwanderungen zwischen der Arktis und den südeuropäischen Gebirgen“ Ökologisches Kolloquium, University of Innsbruck, 24.1.2011.
11. “Lessons from the past: What can reconstruction of Pleistocene range shifts tell us about the future?” Talk at the International School on Mountain Ecology and Global Change, September 24–28 2012, Innsbruck, Austria.
12. Über „gute“ und „schlechte“ Endemiten – botanische Biodiversitätsforschung in Österreich. KickOff-meeting of the project “ABOL Austrian Barcode of Life”, Natural History Museum Vienna, 13.–14.11.2014.
13. “Uralte Relikte oder “nix dran”? – Neue Erkenntnisse zu österreichischen Endemiten. Talk at the Kerner von Marilaun Festsymposium „Vielfalt unter Druck“, Austrian Academy of Sciences, 21.6.2017, Vienna.